

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) HF connector for connecting a coaxial plug connector (38) to an HF transmission line on a circuit board, (32), ~~characterised in that the HF connector comprising:~~ has at least a first pair of ~~sprung~~ ~~spring~~ blades (12, 14) arranged and designed for electrically contacting a central conductor (40) of the coaxial plug connector, (38), and at least a second pair of ~~sprung~~ ~~spring~~ blades (16, 18) arranged and designed for electrically contacting an outer conductor (42) of the coaxial plug connector, (38), ~~whereby at least one of the spring blades~~ ~~sprung blade~~ (12, 14) of the first pair has, on an end facing away from the coaxial plug connector (38), a contact surface (24) for electrically connecting the HF connector to the HF transmission line on the circuit board (32) and for mechanical connection with the circuit board, (32) and at least one ~~sprung~~ ~~spring~~ blade (16, 18) of the second pair has, on an end facing away from the coaxial plug connector (38), a contact surface (22, 26) for electrically connecting the HF connector to a chassis contact on the circuit board (32) and for mechanical connection with the circuit board (32).
2. (Currently amended) HF connector according to claim 1, ~~characterised in that the~~ ~~wherein~~ contact surfaces (22, 24, 26) of the ~~sprung~~ ~~spring~~ blades (12, 14, 16, 18) are arranged in a plane parallel to the plane of the circuit board (32).

3. (Currently amended) HF connector according to claim 1 or 2, characterised in that wherein the coaxial plug connector (38) has a housing feed-through section for a housing (34) surrounding the circuit board (32).

4. (Currently amended) HF connector according to at least one of the preceding claims claim 3, wherein, characterised in that all the sprung spring blades (12, 14, 16, 18) extend in one plane parallel to the plane of the circuit board (32).

5. (Currently amended) HF connector according to at least one of the preceding claims, characterised in that claim 4, wherein the sprung spring blades (12, 14) of the first pair are designed in have only one piece in the region of the contact surface (24).

6. (Currently amended) HF connector according to at least one of the preceding claims, characterised in that claim 5, wherein the sprung spring blades (12, 14 or 16, 18) of a pair are angled away from each other at their end facing towards the coaxial plug connector (38).

7. (Currently amended) HF connector according to at least one of the preceding claims, characterised in that it claim 6, wherein the connector has a housing (10) which carries all the sprung spring blades (12, 14, 16, 18).

8. (Currently amended) HF connector according to claim 7, characterised in that wherein the housing (10) is designed as a planar component.

9. (Currently amended) HF connector according to claim 7 or 8, characterised in that wherein the housing (10) has at least one peg (28) which extends away from the housing (10) for engaging in the circuit board (32).

10. (Currently amended) HF connector according to claim 9, characterised in that wherein the peg (28) is designed arranged for engaging in a hole (30) in the circuit board (32), whereby the peg (28) has having at least one detent lug (52) which extends in the radial direction

in relation to the peg (28), beyond its the lug outer periphery, wherein the detent lug (52) is designed and being arranged on the peg (28) such that the outer periphery of the peg (28) is smaller in the region of the detent lug (52) than the diameter of the hole (30) in the circuit board (32), whereby the outer periphery of the section of the peg (28) protruding into the hole (30) in the circuit board (32) is designed such that between the outer periphery of this the section of the peg and the inner wall of the hole (30) in the circuit board (32), over at least a portion of the outer periphery there is an intermediate space with capillarity for solder, such that solder situated on the surface of the circuit board (32) during a soldering procedure penetrates by capillary action into the intermediate space, filling it.

11. (Currently amended) HF connector according to claim 10, characterised in that wherein the detent lug (52) is designed and arranged on the peg (28) such that, with the component fully inserted into the circuit board (32), the detent lug (52) is arranged within the hole (30) in the circuit board (32).

12. (Currently amended) HF connector according to claim 10 or 11, characterised in that wherein the periphery of the peg (28) in the longitudinal direction over the whole section situated in the hole (30) in the circuit board (32) is designed with includes at least one cut-out (54).

13. (Currently amended) HF connector according to at least one of the claims 10 to claim 12, characterised in that wherein the hole (30) in the circuit board (32) is metallised.

14. (Currently amended) HF connector according to at least one of the claims 7 to claim 13, characterised in that wherein the housing (10) has a cut-out (20) into which the free ends of the sprung spring blades (12, 14, 16, 18) which face towards the coaxial plug connector (38) extend.

15. (New) HF connector according to claim 1, wherein the coaxial plug connector has a housing feed-through section for a housing surrounding the circuit board.

16. (New) HF connector according to claim 1, wherein all the spring blades extend in one plane parallel to the plane of the circuit board.

17. (New) HF connector according to claim 1, wherein the spring blades of the first pair have only one piece in the region of the contact surface.

18. (New) HF connector according to claim 1, wherein the spring blades of a pair are angled away from each other at their end facing towards the coaxial plug connector.

19. (New) HF connector according to claim 1, wherein the connector has a housing which carries all the spring blades.

20. (New) HF connector according to claim 19, wherein the housing has at least one peg which extends away from the housing for engaging the circuit board.

21. (New) HF connector according to claim 20, wherein the peg is arranged for engaging a hole in the circuit board; the peg having at least one detent lug which extends in the radial direction in relation to the peg, beyond the lug outer periphery, the detent lug being arranged on the peg such that the outer periphery of the peg is smaller in the region of the detent lug than the diameter of the hole in the circuit board, whereby the outer periphery of the section of the peg protruding into the hole in the circuit board is such that between the outer periphery of the section of the peg and the inner wall of the hole in the circuit board, over at least a portion of the outer periphery there is an intermediate space with capillarity for solder, such that solder situated on the surface of the circuit board during a soldering procedure penetrates by capillary action into the intermediate space, filling it.